

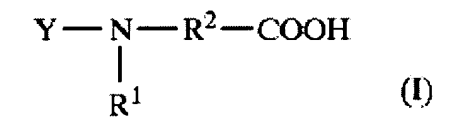
## **AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

### **LISTING OF CLAIMS:**

**1. (canceled).**

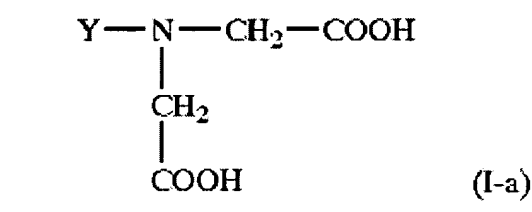
**2. (currently amended):** A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I) at its side chain and an infrared laser photosensitive positive recording layer disposed on a support in this order:



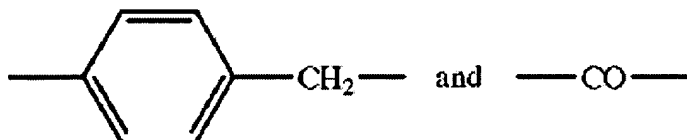
wherein Y represents a connecting group connected with a main chain of the polymer;~~according to claim 1,~~ wherein in the formula (I), R<sup>1</sup> is a hydrocarbon group substituted with a carboxylic acid group, and R<sup>2</sup> is a straight-chain hydrocarbon group or an hydrocarbon group substituted with a carboxylic acid group.

**3. (currently amended):** ~~A~~The planographic printing plate precursor according to claim 2, wherein in the formula (I), R<sup>1</sup> is an alkyl group substituted with a carboxylic acid group, and R<sup>2</sup> is a straight-chain alkylene group.

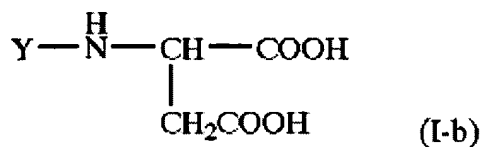
**4. (currently amended):** A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I-a) at its side chain and an infrared laser photosensitive positive recording layer disposed on a support in this order:



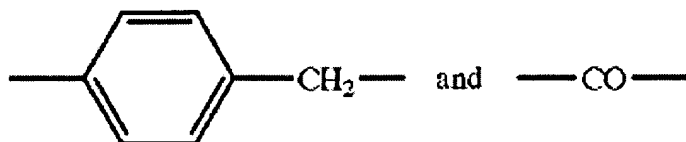
~~according to claim 1, wherein Y represents a connecting group in the structure represented by the formula (I) is a structure represented by the following formula (I-a), and the connecting group represented by Y is a structure selected from the following structures[.]]~~



**5. (currently amended):** A planographic printing plate precursor comprising an intermediate layer containing a polymer having a structure represented by the following formula (I-b) at its side chain and an infrared laser photosensitive positive recording layer disposed on a support in this order:~~according to claim 1,~~



wherein Y represents a connecting group in the structure represented by the formula  
~~(I) is a structure represented by the following formula (I b), and the connecting group~~  
~~represented by Y is a structure selected from the following structures[[.]]~~



**6. (currently amended):** A The planographic printing plate precursor according to claim 12, wherein a content of the structure represented by the formula (I) in the polymer is 5% by mole or more.

**7. (currently amended):** A The planographic printing plate precursor according to claim 12, wherein the polymer is a polymer obtained by copolymerizing a monomer having the structure represented by the formula (I) with another monomer.

**8. (currently amended):** A The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having an onium group.

**9. (currently amended):** A The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having an acidic group.

**10. (currently amended):** ~~A~~The planographic printing plate precursor according to claim 7, wherein the another monomer is a monomer having a functional group that is capable of interaction with the recording layer.

**11. (currently amended):** ~~A~~The planographic printing plate precursor according to claim ~~12~~, wherein a content of the polymer in the intermediate layer is 50 to 100% by mass based on a total solid content constituting the intermediate layer.

**12. (currently amended):** ~~A~~The planographic printing plate precursor according to claim ~~12~~, wherein a weight average molecular weight of the polymer is 500 to 1,000,000.

**13. (currently amended):** ~~A~~The planographic printing plate precursor according to claim ~~12~~, wherein a coating amount of the intermediate layer after drying is 1 to 100 mg/m<sup>2</sup>.

**14. (currently amended):** ~~A~~The planographic printing plate precursor according to claim ~~12~~, wherein the recording layer contains an alkali-soluble resin.

**15. (currently amended):** ~~A~~The planographic printing plate precursor according to claim 14, wherein the alkali-soluble resin has an acidic group selected from the group consisting of a phenolic hydroxyl group, a sulfonamide group, a substituted sulfonamide acidic group, a carboxylic acid group, a sulfonic acid group and a phosphoric acid group.

**16. (currently amended):** ~~A-~~The planographic printing plate precursor according to claim ~~1~~2, wherein the recording layer contains an infrared absorbing agent.

**17. (currently amended):** ~~A-~~The planographic printing plate precursor according to claim 16, wherein the infrared absorbing agent is a cyanine dye.

**18. (currently amended):** ~~A-~~The planographic printing plate precursor according to claim ~~1~~2, wherein the recording layer has a multilayer structure.

**19. (currently amended):** ~~A-~~The planographic printing plate precursor according to claim ~~1~~2, wherein the support is a support that has undergone hydrophilicizing treatment using an alkali metal silicate.